

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A field transmitter for process automation, having in combination therewith [[a]]

[[a]] a control device B for data input and display, wherein:
wherein the

[[a]] said control device B is in the form of a separately portable unit; and
said control device B and said field transmitter S1 are linked by radio, the
radio link being limited to the local area surrounding the said field transmitter S1,
and

the radio link is effected on the basis of the Bluetooth standard.

2. (Cancelled).

3. (Currently Amended) The field transmitter as claimed in claim 1, wherein the said field transmitter S 1 has a microprocessor P connected to a Bluetooth
chipset SE, and wherein the said control device B likewise has a microprocessor
PI which is connected to a corresponding Bluetooth chipset SE1.

4. (Currently Amended) The field transmitter as claimed in claim 1, wherein an antenna connection is provided on the housing of the said field transmitter S1.

5. (Currently Amended) The field transmitter as claimed in claim 1, wherein the said field transmitter S1 is used for recording a process variable.

6. (Currently Amended) The field transmitter as claimed in claim 1, wherein the said field transmitter S 1 is connected to a central control unit PLS by means of a field
bus FB.

7. (Currently Amended) The field transmitter as claimed in claim 1, wherein the data transmission rate between said field transmitter S1 and said control device B is approximately 1 Mbit/sec.

8. (Currently Amended) The field transmitter as claimed in claim 7, wherein the said control device B is a portable computer (laptop).

9. (Currently Amended) The field transmitter as claimed in claim 7, wherein the said control device B is a portable miniature computer (palmtop).

10. (Currently Amended) The field transmitter as claimed in claim 7, wherein the said control device B is a portable handheld appliance.

11. (Currently Amended) The field transmitter as claimed in claim 7, wherein the said control device B is a portable radio telephone (mobile).

Claims 12 - 14 (cancel)

15. (New) A method for controlling a field transmitter S1 for process automation having in combination therewith a control device B for input and display, comprising at least one of the following steps:

transmitting software changes (up dates/up grades) to the field transmitter S1 using the control device B;

initiating a recurrent test on the field transmitter S1 using the control device B; and

making a status query for the purpose of predictive maintenance of the field transmitters S1 using the control device B.